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# NOTICE OF ALLOWANCE AND FEE(S) DUE

BRINKS, HOFER, GILSON & LIONE P.O. BOX 110285 RESEARCH TRIANGLE PARK, NC 27709 EXAMINER

ALSTRUM ACEVEDO, JAMES HENRY

ART UNIT PAPER NUMBER

1616

DATE MAILED: 03/31/2011

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/576,921	01/17/2007	Sebastian Koltzenburg	13779-64	9858

TITLE OF INVENTION: NANOPARTICULATE ACTIVE SUBSTANCE FORMULATIONS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/30/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN <u>THREE MONTHS</u> FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. <u>THIS STATUTORY PERIOD CANNOT BE EXTENDED</u>. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

maintenance fee notifications.  CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must			
BRINKS, HOFER, GILSON & LIONE P.O. BOX 110285 RESEARCH TRIANGLE PARK, NC 27709				have its own certificate of mailing or transmission.  Certificate of Mailing or Transmission  I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.			
						(Depositor's name)	
						(Signature)	
						(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	A	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
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nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/30/2011	
EXAM	IINER	ART UNIT	CLASS-SUBCLASS				
ALSTRUM ACEVE	DO, JAMES HENRY	1616	514-772600				
CFR 1.363).  Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.  3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON			or agents OR, alternative (2) the name of a single registered attorney or a 2 registered patent attorned isseed, no name will be	the names of up to 3 registered patent attorneys agents OR, alternatively, the name of a single firm (having as a member a gistered attorney or agent) and the names of up to egistered patent attorneys or agents. If no name is ted, no name will be printed.			
PLEASE NOTE: Un recordation as set fort (A) NAME OF ASSI	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	ified below, no assignee oletion of this form is NO	data will appear on the pa T a substitute for filing an (B) RESIDENCE: (CITY	ntent. If an assignee assignment. and STATE OR CO	,	_	
Please check the appropr	iate assignee category or	categories (will not be pr	rinted on the patent):	Individual 🖵 Corp	poration or other private gro	up entity  Government	
4a. The following fee(s) are submitted:  Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies			<ul> <li>4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)</li> <li>□ A check is enclosed.</li> <li>□ Payment by credit card. Form PTO-2038 is attached.</li> <li>□ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).</li> </ul>				
	s SMALL ENTITY statu	is. See 37 CFR 1.27.			ENTITY status. See 37 CI		
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if requeecords of the United Sta	uired) will not be accepte tes Patent and Trademark	d from anyone other than the Office.	ne applicant; a regist	ered attorney or agent; or th	e assignee or other party in	
Authorized Signature				Date		<u>.</u>	
Typed or printed name				Registration No.	•		
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PTOL-85 (Rev. 02/11) Approved for use through 08/31/2013.

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10/576,921	01/17/2007	Sebastian Koltzenburg	13779-64	9858
45473 75	90 03/31/2011	EXAMINER		
,	R, GILSON & LION	ALSTRUM ACEVEDO, JAMES HENRY		
P.O. BOX 110285 RESEARCH TRIANGLE PARK, NC 27709			ART UNIT	PAPER NUMBER
			1616	
			DATE MAILED: 03/31/201	1

### Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 793 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 793 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

### **Privacy Act Statement**

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

- 1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
- 2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
- 3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
- 4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
- 5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
- 6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- 8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
- 9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

	TA 15 15 15	1 A 10 14 X
	Application No.	Applicant(s)
	10/576,921	KOLTZENBURG ET AL.
Notice of Allowability	Examiner	Art Unit
	JAMES H. ALSTRUM ACEVEDO	1616
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS Is herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT I of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in this a 5) or other appropriate communication RIGHTS. This application is subject	pplication. If not included on will be mailed in due course. <b>THIS</b>
1. $\square$ This communication is responsive to $3/22/11$ .		
2. The allowed claim(s) is/are <u>24-57</u> .		
<ul> <li>3.  Acknowledgment is made of a claim for foreign priority of a)  All b)  Some* c)  None of the:  1.  Certified copies of the priority documents have 2.  Certified copies of the priority documents have 3.  Copies of the certified copies of the priority of International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.</li> <li>4.  A SUBSTITUTE OATH OR DECLARATION must be subilinformal Patent APPLICATION (PTO-152) which gires.  5.  CORRECTED DRAWINGS (as "replacement sheets") must (a)  including changes required by the Notice of Draftspeenton including changes required by the attached Examine Paper No./Mail Date  [b)  including changes required by the attached Examine Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in the department of the paper No./Mail Date attached Examiner's comment regarding REQUIREMENT</li> </ul>	we been received.  we been received in Application No. locuments have been received in this  "of this communication to file a repl MENT of this application.  mitted. Note the attached EXAMINE wes reason(s) why the oath or decla ust be submitted.  rson's Patent Drawing Review ( PTC  r's Amendment / Comment or in the  1.84(c)) should be written on the draw the header according to 37 CFR 1.12:  posit of BIOLOGICAL MATERIAL	s national stage application from the y complying with the requirements  R'S AMENDMENT or NOTICE OF ration is deficient.  D-948) attached  Office action of vings in the front (not the back) of 1(d).  must be submitted. Note the
Attachment(s)  1. Notice of References Cited (PTO-892)  2. Notice of Draftperson's Patent Drawing Review (PTO-948)  3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date  4. Examiner's Comment Regarding Requirement for Deposit of Biological Material  /JAMES H ALSTRUM ACEVEDO/ Primary Examiner, Art Unit 1616	Paper No./Mail D 7. 🛛 Examiner's Amend	y (PTO-413), ate
Primary Examiner, Art Unit 1616		

#### **Election/Restrictions**

<u>Claims 24-41 and 49-57 are directed to an allowable product</u>. Pursuant to the procedures set forth in MPEP § 821.04(B), <u>claims 42-48</u>, directed to the process of making or using an allowable product, previously withdrawn from consideration as a result of a restriction requirement, <u>are hereby rejoined</u> and fully examined for patentability under 37 CFR 1.104.

Because all claims previously withdrawn from consideration under 37 CFR 1.142 have been rejoined, the restriction requirement as set forth in the Office action mailed on June 2, 2010 is hereby withdrawn. In view of the withdrawal of the restriction requirement as to the rejoined inventions, applicant(s) are advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Once the restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See In re Ziegler, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

### **Terminal Disclaimer(s)**

The terminal disclaimer filed on March 22, 2011 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of copending Application No. 11/918,522 has been reviewed and is accepted. The terminal disclaimer has been recorded.

The application has been amended as follows:

1. Delete "conventionally" from claim 42, line 4.

2. Delete "in a conventional way" from claim 44, line 9.

3. Delete "in a conventional way" from claim 46, line 8.

4. Insert the following on line 3 of claim 48 after the "claim 24" and before the period",

wherein the at least one active compound is a fungicide".

**Reasons for Allowance** 

The following is an examiner's statement of reasons for allowance: Applicants'

submission of a proper terminal disclaimer has overcome the obviousness-type double patenting

rejection over copending Application No. 11/918,522. The prior art does not teach or fairly

suggest an active compound formulation comprising (a) at least one active compound selected

from the group of plant protection active compounds that has a solubility in water of less than

1,000 mg/L at a temperature of 20 C, (b) at least one random copolymer formed from monomers

i), ii), having the structures depicted in independent claim 24, and optionally additional

monomers, and optionally (c) additional additives. It is noted that the phrase "to the greatest

extent" with regards to the removal of solvent is defined in Applicants' specification at page 18,

lines 24-26.

The closest prior art is Huth et al. (U.S. Patent No. 5,319,093), which discloses

formulations comprising a water-soluble fungicidal copolymer comprising

benzimidazolylcarbamic acid methyl ester and 2-acrylamido-2-propoanes sulfonic acid (AMPS)

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Art Unit: 1616

monomer. Huth does not disclose, teach, or fairly suggest compositions wherein the active agent has the solubility recited in Applicants' claim 24. The next closest art is Suarez-Cervieri (US 2005/0032903), which is not available as prior art due to the §103(c) exception. Thus, for the

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James H. Alstrum-Acevedo whose telephone number is (571) 272-5548. The examiner can normally be reached on M-F, ~10:00-6:00 and Saturdays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Johann Richter can be reached on (571) 272-0646. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <a href="http://pair-direct.uspto.gov">http://pair-direct.uspto.gov</a>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/JAMES H. ALSTRUM-ACEVEDO/ Primary Examiner, Art Unit 1616 Technology Center 1600

aforementioned reasons claims 24-57 are allowed.

J.H. Alstrum-Acevedo, Ph.D.